

## Sequence Listing

<110> Patricia Billing-Medel  
Maurice Cohen  
Tracey L. Colpitts  
Paula N. Friedman  
Julian Gordon  
Edward N. Granados  
Steven C. Hodges  
Michael R. Klass  
Jon D. Kratochvil  
Lisa Roberts-Rapp  
John C. Russell  
Stephen D. Stroupe

<120> Reagents and Methods Useful for Detecting Diseases of the Breast

<130> 6193.US.P1

<150> 08/971,772  
<151> 17-Nov-1997

<160> 23

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 288

<212> DNA

<213> Homo sapiens

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tcacctgact tttgttattg actgcaccca cgggaagcag ctctccctgg cagcaaccgc  
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<211> 250

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<213> Homo sapiens

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actgcaccca cgggaagcag ctctccctgg cagcaaccgc atcaccaccc caagccccca  
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<211> 256

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cagcccgttc tgccccccagg aggttcccgaa ggctaagggg aaaccggta aggctgcgc  
tgtgaggtct tcaacttggg gaacagtcaa ggactcactg aaagccctct cctcttgtgt  
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ccagtaatat ttgctgtatg aatgaatgag tctcttcatg tgcaggtgac ttatcctgcc	180
tctgccactc gacggatgtt tcagatgccc cttagcggat ctaatgatgt ttccttggct	240
caagcacaaa agactc	256

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<211> 133

<212> DNA

<213> Homo sapiens

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tccaccccaa aaataccagc tccagggaaa ccatggatc tcccccagcac tttgcaggc	120
ctggcatgtg gaa	133

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aggcctggag accagctccg gtgggaagct ggctggccat cagaagacgg tccccacggc	180
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ggataagtca cctgcacatg aagagactca ttcattcata cagcaaataat tactggtaca	780
tcttccacat gccaggccct gcaaagtgtt gggagatac catggttttc ctggagctgg	840
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<211> 915

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tcacctgact tttgttattt actgcaccca cgggaagcag ctctccctgg cagcaaccgc	240
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atgccttggcc caggccaggg ccaccctgcc gctctgcaga ggtctgtgg cctcagcttc	420
cttcccagtc agcccgctct gcccccaagggatc gttcccgag gctaaggggaa aaccctgtaa	480
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gcaattccca gggcctggcc ctgcttccccca agctaaggccg gagtctttgcgttc tgcttggcc	660
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ggataagtca cctgcacatg aagagactca ttcattcata cagcaaataat tactggtaca	780
tcttccacat gccaggccct gcaaagtgtt gggagatac catggttttc ctggagctgg	840
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cggaaatt		68
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gaattccg		68
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<223> Universal primer		
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tgtaaaacga cgccagg		18
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<210> 17  
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Glu Trp Pro Arg Thr Ala Pro Leu Leu Pro Glu Leu Gly Arg Arg Arg  
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Ser Ser Arg Met Ala Pro Ser Glu Asp Pro Arg Asp Trp Arg Ala Asn  
20 25 30  
Leu Lys Gly Thr Ile Arg Glu Thr Gly Leu Glu Thr Ser Ser Gly Gly  
35 40 45  
Lys Leu Ala Gly His Gln Lys Thr Val Pro Thr Ala His Leu Thr Phe  
50 55 60  
Val Ile Asp Cys Thr His Gly Lys Gln Leu Ser Leu Ala Ala Thr Ala  
65 70 75 80  
Ser Pro Pro Gln Ala Pro Ser Pro Asn Arg Gly Leu Val Thr Pro Pro  
85 90 95  
Met Lys Thr Tyr Ile Val Phe Cys Gly Glu Asn Trp Pro His Leu Thr  
100 105 110  
Arg Val Thr Pro Met Gly Gly Cys Leu Ala Gln Ala Arg Ala Thr  
115 120 125  
Leu Pro Leu Cys Arg Gly Ser Val Ala Ser Ala Ser Phe Pro Val Ser  
130 135 140  
Pro Leu Cys Pro Gln Glu Val Pro Glu Ala Lys Gly Lys Pro Val Lys  
145 150 155 160  
Ala Ala Pro Val Arg Ser Ser Thr Trp Gly Thr Val Lys Asp Ser Leu  
165 170 175  
Lys Ala Leu Ser Ser Cys Val Cys Gly Gln Ala Asp  
180 185

<210> 18  
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<212> PRT  
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<400> 18  
Arg Ser Ser Arg Met Ala Pro Ser Glu Asp Pro Arg Asp Trp Arg Ala  
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Asn Leu Lys Gly Thr  
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<210> 19  
<211> 19  
<212> PRT  
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<400> 19  
Met Gly Gly Gly Cys Leu Ala Gln Ala Arg Ala Thr Leu Pro Leu Cys  
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Arg Gly Ser

<210> 20  
<211> 35  
<212> PRT

<213> Homo sapiens

<400> 20  
Leu Cys Pro Gln Glu Val Pro Glu Ala Lys Gly Lys Pro Val Lys Ala  
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Ala Pro Val Arg Ser Ser Thr Trp Gly Thr Val Lys Asp Ser Leu Lys  
20 25 30  
Ala Leu Ser  
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<212> PRT

<213> Homo sapiens

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<210> 22

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<212> PRT

<213> Artificial Sequence

<220>

<223> Affinity purification system recognition site

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Asp Tyr Lys Asp Asp Asp Asp Lys  
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<210> 23

<211> 21

<212> PRT

<213> Artificial Sequence

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<223> Affinity purification system recognition site

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Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Met His Thr Glu His  
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His His His His  
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